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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

CARR, Francis Joseph
CARTER, Graham
HAMILTON, Anita Adair
ADAIR, Fiona Suzanne
WILLIAMS, Stephen

Serial No.:

To Be Assigned
(Continuation Application of PCT/GB98/02649)
(Published as WO 99/11777)

Filed:

Herewith (March 3, 2000)

Title:

Methods for Protein Screening

Attorney Docket No.:

102286.412

TRANSMITTAL LETTER

EXPRESS MAIL LABEL NO.: EL361737424US

March 3, 2000

Assistant Commissioner for Patents
Washington, D.C. 20231

ATTN: BOX PATENT APPLICATION

Dear Sir:

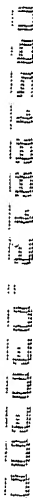
The following documents are submitted to file a continuation application of an international application under 37 C.F.R. §1.53(b) and 35 U.S.C. §111 and MPEP §1895.01 to obtain the PCT filing date as the effective date under 35 U.S.C. §102(e) by virtue of 35 U.S.C. §363.

The named inventors are:

CARR, Francis Joseph
Citizenship: United Kingdom
Residence: Aberdeen, United Kingdom

CARTER, Graham
Citizenship: United Kingdom
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY

(51) International Patent Classification ⁶ : C12N 15/10, 11/14, C07K 17/00, C12Q 1/68, C12P 21/00 // C12N 15/12, 15/24, 15/49, C07K 14/16, 14/54, 16/00		A1	(11) International Publication Number: WO 98/17777	(43) International Publication Date: 11 March 1999 (11.03.99)																																													
(21) International Application Number: PCT/GB98/02649 (22) International Filing Date: 3 September 1998 (03.09.98) (30) Priority Data: <table border="0"><tr><td>9718552.4</td><td>3 September 1997 (03.09.97)</td><td>GB</td></tr><tr><td>9719834.5</td><td>18 September 1997 (18.09.97)</td><td>GB</td></tr><tr><td>9720184.2</td><td>24 September 1997 (24.09.97)</td><td>GB</td></tr><tr><td>9720522.3</td><td>29 September 1997 (29.09.97)</td><td>GB</td></tr><tr><td>9720525.6</td><td>29 September 1997 (29.09.97)</td><td>GB</td></tr><tr><td>9720523.1</td><td>29 September 1997 (29.09.97)</td><td>GB</td></tr><tr><td>9720524.9</td><td>29 September 1997 (29.09.97)</td><td>GB</td></tr><tr><td>60/070,063</td><td>30 December 1997 (30.12.97)</td><td>US</td></tr><tr><td>60/070,062</td><td>30 December 1997 (30.12.97)</td><td>US</td></tr><tr><td>60/070,037</td><td>30 December 1997 (30.12.97)</td><td>US</td></tr><tr><td>60/070,050</td><td>30 December 1997 (30.12.97)</td><td>US</td></tr><tr><td>9801255.2</td><td>22 January 1998 (22.01.98)</td><td>GB</td></tr><tr><td>9803828.4</td><td>25 February 1998 (25.02.98)</td><td>GB</td></tr><tr><td>9807760.5</td><td>14 April 1998 (14.04.98)</td><td>GB</td></tr><tr><td>9811130.5</td><td>23 May 1998 (23.05.98)</td><td>GB</td></tr></table> (71) Applicant (for all designated States except US): BIOVATION LIMITED [GB/GB]; Investment House, 6 Union Row, Aberdeen AB10 1DQ (GB).			9718552.4	3 September 1997 (03.09.97)	GB	9719834.5	18 September 1997 (18.09.97)	GB	9720184.2	24 September 1997 (24.09.97)	GB	9720522.3	29 September 1997 (29.09.97)	GB	9720525.6	29 September 1997 (29.09.97)	GB	9720523.1	29 September 1997 (29.09.97)	GB	9720524.9	29 September 1997 (29.09.97)	GB	60/070,063	30 December 1997 (30.12.97)	US	60/070,062	30 December 1997 (30.12.97)	US	60/070,037	30 December 1997 (30.12.97)	US	60/070,050	30 December 1997 (30.12.97)	US	9801255.2	22 January 1998 (22.01.98)	GB	9803828.4	25 February 1998 (25.02.98)	GB	9807760.5	14 April 1998 (14.04.98)	GB	9811130.5	23 May 1998 (23.05.98)	GB	(72) Inventors; and (75) Inventors/Applicants (for US only): CARR, Francis, Joseph [GB/GB]; Birchlea, The Holdings, Balmedie, Aberdeenshire AB23 8XU (GB). CARTER, Graham [GB/GB]; Longhills Cottage, By New Machar, Aberdeenshire AB21 7XB (GB). HAMILTON, Anita [GB/GB]; 130 Kings Gate, Aberdeen AB15 4EQ (GB). ADAIR, Fiona [GB/GB]; Burnside of Aucheldy Tarves, Ellon, Aberdeenshire AB41 7NH (GB). WILLIAMS, Steven [GB/GB]; Drumgowan Cottage, Auchleven, Insch, Aberdeenshire AB52 6QD (GB). (74) Agents: CHAPMAN, Paul, William et al.; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.	
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(54) Title: METHODS FOR PROTEIN SCREENING																																																	
(57) Abstract <p>The present invention provides novel methods of protein/polypeptide screening based on the provision of libraries of individual proteins/polypeptides, which in turn can be screened for cell binding, biological activity etc. Methods for recovering genes encoding such proteins/polypeptides are also provided.</p>																																																	

03/03/00



16639 U.S. PTO

PTO/SB/13/PCT (12-97)
 Approved for use through 9/30/00. OMB 0651-0032
 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REQUEST FOR FILING A CONTINUATION OR DIVISION OF AN INTERNATIONAL APPLICATION

DOCKET NUMBER	ANTICIPATED CLASSIFICATION OF THIS APPLICATION		PRIOR APPLICATION EXAMINER	ART UNIT
102286.412	CLASS	SUBCLASS	To Be Assigned (TBA)	TBA

Address to:

Assistant Commissioner for Patents
 Washington, D.C. 20231

EXPRESS MAIL LABEL NO.: EL361737424US

MAILED: March 3, 2000

#2A
 HAD
 5-18-00

This is a request for filing a ☒ continuation ☐ divisional application under 37 CFR 1.53(b), of pending prior international application Number PCT/GB/ 98/02649 , filed on 9/3/1998 entitled Methods for Protein Screening

which designated the United States.

Note: 37 CFR 1.53(c) or (d) cannot be used to file a continuation or divisional application of an international application which has not entered the national stage.

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c))	57	- 20 =	37	x \$ 18 =	\$ 666.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	10	- 3 =	7	x \$ 78 =	546.00
MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))				+ \$ _____ =	
BASIC FEE (37 CFR 1.16(a))				+ 690.00	
Total of above Calculations =				\$ 1902.00	
Reduction by 50% for filing by small entity (Note 37 CFR 1.9, 1.27, 1.28).					
TOTAL =				\$ 1902.00	

- Enclosed are the specification, claims and drawing(s).
- ☐ A statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required under 37 CFR 1.16 and 1.17, or credit any overpayment to Deposit Account No. 08-0219 . A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$ _____ is enclosed.
- ☒ Amend the specification by inserting before the first line the sentence: This application is a ☒ continuation ☐ division of international application number PCT/GB/ 98/02649 , filed 9/3/1998
 (status, abandoned, pending, etc.)."

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(REQUEST FOR FILING A CONTINUATION OR DIVISION OF AN INTERNATIONAL APPLICATION, PAGE 2)

6. ☐ A declaration under 37 CFR 1.63 is enclosed.

7. ☒ Priority of foreign application number _____, filed on _____ in _____
is claimed under 35 U.S.C. 119(a) - (d).

☐ The certified copy is enclosed.

8. ☒ A preliminary amendment is enclosed.

9. ☒ Also enclosed: postcard

Address all future correspondence to: (May only be completed by applicant, or attorney or agent of record.)

Hollie L. Baker, Hale and Dorr LLP, 60 State Street, Boston, MA 02109

March 3, 2000

Date

Hollie L. Baker

Signature

Hollie L. Baker

Typed or printed name

☐ Inventor(s)

☐ Assignee of complete interest. Certification under 37 CFR 3.73(b) is enclosed.

☐ Attorney or agent of record

☒ Filed under 37 CFR 1.34(a)

Registration number if acting under 37 CFR 1.34(a). 31,321

Applicants: CARR et al.
Serial No.: To Be Assigned
(Continuation Application of PCT/GB98/02649)
(Published as WO 99/11777)
Filed: March 3, 2000

ADAIR, Fiona Suzanne
Citizenship: United Kingdom
Residence: Aberdeen, United Kingdom

WILLIAMS, Stephen
Citizenship: United Kingdom
Residence: Aberdeen, United Kingdom

Also enclosed are the following documents:

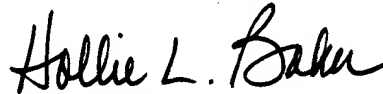
1. Request for Filing a Continuation of an International Application.
2. The specification (104 pages), claims (9 pages, pages 105-113).
3. Preliminary Amendment.
4. Abstract of the Invention.
5. Stamped, return postcard.

Priority Information: This application is a continuation of international application number PCT/GB98/02649, filed September 3, 1998, pending, claiming priority to GB 9718552.4, filed September 3, 1997, in Great Britain; GB 9719834.5, filed September 18, 1997, in Great Britain; GB 9720184.2, filed September 24, 1997, in Great Britain; GB 9720522.3, filed September 29, 1997, in Great Britain; GB 9720525.6, filed September 29, 1997, in Great Britain; GB 9720523.1, filed September 29, 1997, in Great Britain; GB9720524.9, filed September 29, 1997, in Great Britain; US 60/070,063, filed December 30, 1997, in the United States; US 60/070,062, filed December 30, 1997, in the United States; US 60/070,037, filed December 30, 1997, in the United States; US 60/070,050, filed December 30, 1997, in the United States; GB 9801255.2, filed January 22, 1998, in Great Britain; GB 9803828.4, filed February 25, 1998, in Great Britain; GB 9807760.5, filed April 14, 1998, in Great Britain; and GB 9811130.5, filed May 23, 1998, in Great Britain.

Applicants: CARR et al.
Serial No.: To Be Assigned
(Continuation Application of PCT/GB98/02649)
(Published as WO 99/11777)
Filed: March 3, 2000

The Commissioner is authorized to debit the patent application filing fee of \$1310.00 from Deposit Account No. 08-0219. Further, the Commissioner is authorized to debit any fee or credit any overpayment to maintain the pendency of this application to Deposit Account No. 08-0219.

Respectfully submitted,



Hollie L. Baker
Registration No. 31,321

Date: March 3, 2000
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